

App. No. 09/747,383
Amdt. dated Feb. 17, 2004
Reply to Final Office Action of November 17, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-14 (canceled)

15. (currently amended): A liquid-droplet aerosol composition for delivery to a patient's respiratory tract

(a) formed by placing an aqueous γ -IFN solution having a known, selected γ -IFN biological activity, and comprising a stabilizing agent consisting of sugar, alcohol, amino acid, or a combination thereof, and a dispersing agent, against a plate having defined-sized openings, and forcing the solution through said openings, under conditions effective to form aqueous droplets having

(a)' a narrow distribution of sizes that is less than 2 standard deviations from the volume mean diameter of the droplets, wherein the volume mean diameter is in a selected size range selected from the group consisting of (i) less than 1 micron, (ii) 1-3 microns, (iii) 3-5 microns, (iv) 5-10 microns, (v) greater than 10 microns, and (vi) two or more of the size ranges,

(b)' a γ -IFN biological activity substantially the same as that of the solution, and

(c)' a γ -IFN molecular size distribution substantially the same as that of the solution; and

(b) characterized by an aerosol of aqueous droplets having (a)' a narrow distribution of sizes that is less than 2 standard deviations from the volume mean diameter of the droplets, wherein the volume mean diameter is in a selected size range selected from the group and consisting of (i) less than 1 micron, (ii) 1-3 microns, (iii) 3-5 microns, (iv) 5-10 microns, (v) greater than 10 microns, (b)' a γ -IFN biological activity substantially the same as that of the solution, and (c)' a γ -IFN molecular size distribution substantially the same as that of the solution.